

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT US 40 (PULASKI HIGHWAY) AND ROSSVILLE BOULEVARD IN ROSSVILLE, BALTIMORE COUNTY.

THE MODIFICATION INCLUDES THE FOLLOWING:

- ADDING NEW SIGNAL INDICATIONS ALONG US 40 TO MATCH THE NUMBER OF THROUGH LANES;
- INSTALLING NEARSIDE SIGNAL INDICATIONS ALONG US 40;
- ADDING A TETHER CABLE TO THE WEST SIDE SIGNAL SPAN;
- UPGRADING ALL EXISTING TRAFFIC SIGNALS HEADS TO BLACK FACED.

INTERSECTION OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA EIGHT PHASE, FULLY-ACTUATED MODE WITH THE US 40 APPROACHES RUNNING CONCURRENTLY AND THE ROSSVILLE BOULEVARD APPROACHES RUNNING CONCURRENTLY.

EXCLUSIVE LEFT-TURN PHASES ARE PROVIDED FOR BOTH:

- EASTBOUND AND WESTBOUND US 40 (PULASKI HIGHWAY) APPROACHES, AND
- NORTHBOUND AND SOUTHBOUND ROSSVILLE BOULEVARD APPROACHES.

MAINTENANCE OF TRAFFIC

THE FOLLOWING WORK ZONE TRAFFIC CONTROL STANDARDS SHALL BE USED FOR THE PROJECT.

STANDARD NO. MD-104.00-104.00-12

STANDARD NO. MD-104.45-01 (RIGHT LANE CLOSURE)

STANDARD NO. MD-104.31-01 (FLAGGING OPERATION)

STANDARD NO. MD-104.46-01 (CENTER LANE CLOSURE)

STANDARD NO. MD-104.49-01 (SHOULDER WORK)

STANDARD NO. MD-104.44-01 (LEFT LANE CLOSURE)

PROJECT CONTACTS

CONTACT PERSONS FOR DISTRICT #4:

MR. DAVE MALKOWSKI
DISTRICT ENGINEER
PHONE: (410) 321-2810

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781/2785

MR. STEVE MARCISZEWSKI
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761

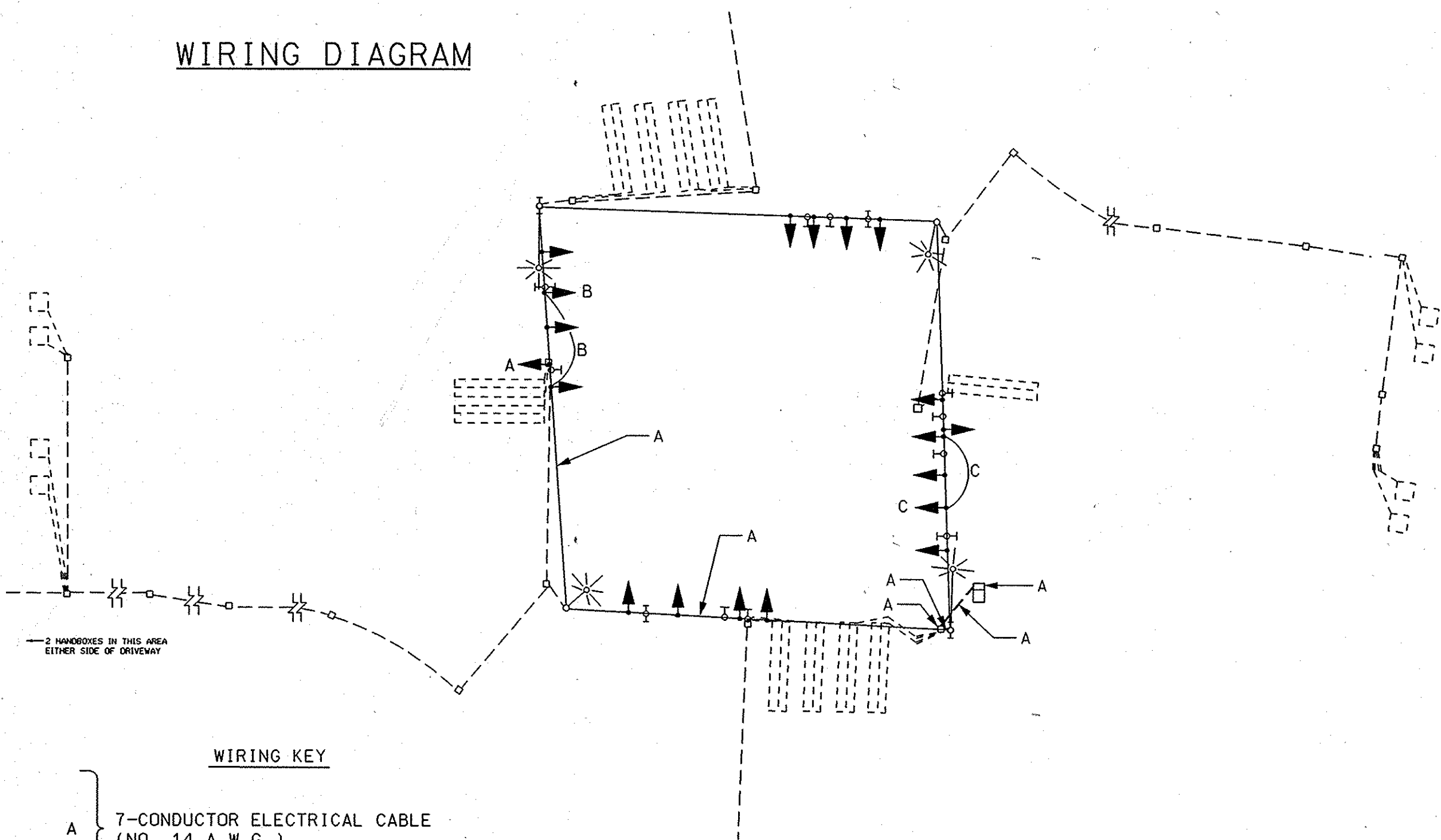
MR. GRADON TOBERY
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
PHONE: (410) 321-2821

CONTACT PERSONS FOR OOTS:

MR. RICHARD L. DAFF, SR.
CHIEF, TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630

MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS
PHONE: (410) 787-7650

WIRING DIAGRAM



WIRING KEY

- A } 7-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
B } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- PROPOSED/NEW CABLES

USE EXISTING ELECTRICAL CABLES FOR ALL OTHER SIGNAL HEADS.

EQUIPMENT LISTS

EQUIPMENT LIST "A"

EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE S.H.A.

| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|------------|---|
| 9570 | 23.25 S.F. | FLAT SHEET ALUMINUM GROUND MOUNTED SIGN (WHITE ON BLUE) |
| 9572 | 7.5 S.F. | FLAT SHEET ALUMINUM SPAN WIRE MOUNTED SIGN (R3-SL; 30"X36") |

EQUIPMENT LIST "C"

EQUIPMENT TO BE REMOVED

ALL MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

EQUIPMENT LIST "B"

EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

| ITEM NO. | QUANTITY | DESCRIPTION |
|----------|------------|--|
| 1001 | 1 EA. | MAINTENANCE OF TRAFFIC |
| 8007 | 4 EA. | ADJUST AND RERING EXISTING SPAN WIRE - EACH SPAN |
| 8013 | 1 EA. | REMOVE AND DISPOSE OF EQUIPMENT |
| 8046 | 23.25 S.F. | INSTALL GROUND MOUNTED SIGN |
| 8047 | 7.5 S.F. | INSTALL OVERHEAD SIGN |
| 8056 | 57 EA. | F & I 12 INCH VEHICULAR TRAFFIC SIGNAL HEAD |
| 8061 | 80 L.F. | F & I ELECTRICAL CABLE - 5 CONDUCTOR NO. 14 AWG |
| 8062 | 300 L.F. | F & I ELECTRICAL CABLE - 7 CONDUCTOR NO. 14 AWG |
| 8068 | 150 L.F. | F & I STEEL SPAN WIRE - 1/4 INCH DIAMETER |

PHASE CHART

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|--------------------|---|-------|-------|------|------|------|-------|-------|------|------|------|-------|-------|------|------|-------|-------|------|------|
| | ←R→ | ←Y→ | ←G→ | ←R→ | ←Y→ | ←G→ | ←R→ | ←Y→ | ←G→ | ←R→ | ←Y→ | ←G→ | ←R→ | ←Y→ | ←G→ | ←R→ | ←Y→ | ←G→ | ←R→ |
| PHASE 1 + 5 | ←G→ | ←G→ | ←G→ | R | R | R | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | ←R→ | ←R→ | R | R |
| 1 + 5 CHANGE | 1 + 5 MAY CHANGE TO PHASE 1 + 6, PHASE 2 + 5 OR PHASE 2 + 6 | | | | | | | | | | | | | | | | | | |
| PHASE 1 + 6 | ←G→ | ←G→ | ←G→ | G | G | G | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | ←R→ | ←R→ | R | R |
| 1 + 6 CHANGE | ←Y→ | ←Y→ | ←Y→ | G | G | G | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | ←R→ | ←R→ | R | R |
| PHASE 2 + 5 | ←R→ | ←R→ | ←R→ | R | R | R | ←G→ | ←G→ | G | G | G | ←R→ | ←R→ | R | R | ←R→ | ←R→ | R | R |
| 2 + 5 CHANGE | ←R→ | ←R→ | ←R→ | R | R | R | ←Y→ | ←Y→ | G | G | G | ←R→ | ←R→ | R | R | ←R→ | ←R→ | R | R |
| PHASE 2 + 6 | ←R→ | ←R→ | ←R→ | G | G | G | ←R→ | ←R→ | G | G | G | ←R→ | ←R→ | R | R | ←R→ | ←R→ | R | R |
| 2 + 6 CHANGE | ←R→ | ←R→ | ←R→ | Y | Y | Y | ←R→ | ←R→ | Y | Y | Y | ←R→ | ←R→ | R | R | ←R→ | ←R→ | R | R |
| PHASE 3 + 7 | ←R→ | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | R | ←G→ | ←G→ | R | R | ←G→ | ←G→ | R | R |
| 3 + 7 CHANGE | 3 + 7 MAY CHANGE TO PHASE 3 + 8, PHASE 4 + 7 OR PHASE 4 + 8 | | | | | | | | | | | | | | | | | | |
| PHASE 3 + 8 | ←R→ | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | R | ←G→ | ←G→ | G | G | ←R→ | ←R→ | R | R |
| 3 + 8 CHANGE | ←R→ | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | R | ←Y→ | ←Y→ | G | G | ←R→ | ←R→ | R | R |
| PHASE 4 + 7 | ←R→ | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | ←G→ | ←G→ | G | G |
| 4 + 7 CHANGE | ←R→ | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | ←Y→ | ←Y→ | G | G |
| PHASE 4 + 8 | ←R→ | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | G | G | ←R→ | ←R→ | G | G |
| 4 + 8 CHANGE | ←R→ | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | R | R | R | ←R→ | ←R→ | Y | Y | ←R→ | ←R→ | Y | Y |
| FLASHING OPERATION | FL/RA | FL/RA | FL/RA | FL/Y | FL/Y | FL/Y | FL/RA | FL/RA | FL/Y | FL/Y | FL/Y | FL/RA | FL/RA | FL/Y | FL/Y | FL/RA | FL/RA | FL/Y | FL/Y |



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
U.S. 40 (PULASKI HWY) & ROSSVILLE BLVD
GENERAL INFORMATION SHEET

| | | | |
|----------------------------|------------------------------|--------------------|------------------|
| DRAWN BY: MATAMBA KABENGLE | F.A.P. NO. AC-STPG-000A(26)E | TS NO. TS-885 E | SHEET NO. 2 OF 2 |
| CHECKED BY: DENNIS DODA | S.H.A. NO. AT5825185 | | |
| SCALE: NONE | COUNTY: BALTIMORE | T.I.M.S. NO. G-943 | |
| DATE: MARCH 2005 | LOG MILE: 03004017.29 | | |